

10/501,777 Dialog
LLM 5/26/2006

Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSSS? ### Status: Signing onto Dialog *****

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Status: Login successfulWelcome to DIALOG

Dialog level 05.11.05D

Last logoff: 24may06 09:06:45

Logon file405 26may06 09:45:16

*** ANNOUNCEMENTS ***

NEW FILES RELEASED

***Regulatory Affairs Journals (File 183)

***Index Chemicus (File 302)

***Inspec (File 202)

RESUMED UPDATING

***File 141, Reader's Guide Abstracts

RELOADS COMPLETED

***File 516, D&B--Dun's Market Identifiers

***File 523, D&B European Dun's Market Identifiers

***File 531, American Business Directory

*** MEDLINE has been reloaded with the 2006 MeSH (Files 154 & 155)

*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)

is now available online.

DATABASES REMOVED

***File 196, FINDEX

***File 468, Public Opinion Online (POLL)

Chemical Structure Searching now available in Prous Science Drug Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus (File 302).

>>>For the latest news about Dialog products, services, content<<<

>>>and events, please visit What's New from Dialog at <<<

>>><http://www.dialog.com/whatsnew/>. You can find news about<<<

>>>a specific database by entering HELP NEWS <file number>.<<<

* * *

SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.7.9 term=ASCII

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help /L = Logoff /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?

Terminal set to DLINK

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
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Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help /L = Logoff /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b biosci

```
>>>          44 is unauthorized
>>>          76 is unauthorized
>>>2 of the specified files are not available
    26may06 09:45:21 User276741 Session D145.1
    $0.00      0.218 DialUnits FileHomeBase
    $0.00 Estimated cost FileHomeBase
    $0.02 TELNET
    $0.02 Estimated cost this search
    $0.02 Estimated total session cost    0.218 DialUnits
```

SYSTEM:OS - DIALOG OneSearch

```
File   5: Biosis Previews(R) 1969-2006/May W3
      (c) 2006 BIOSIS
File  24: CSA Life Sciences Abstracts 1966-2006/Apr
      (c) 2006 CSA.
File  28: Oceanic Abstracts 1966-2006/Apr
      (c) 2006 CSA.
File  34: SciSearch(R) Cited Ref Sci 1990-2006/May W3
      (c) 2006 Inst for Sci Info
File  35: Dissertation Abs Online 1861-2006/May
      (c) 2006 ProQuest Info&Learning
File  40: Enviroline(R) 1975-2006/Apr
File  41: Pollution Abstracts 1966-2006/Apr
      (c) 2006 CSA.
File  50: CAB Abstracts 1972-2006/Apr
      (c) 2006 CAB International
```

File 65:Inside Conferences 1993-2006/May 26
(c) 2006 BLDSC all rts. reserv.
File 71:ELSEVIER BIOBASE 1994-2006/May W3
(c) 2006 Elsevier Science B.V.
File 73:EMBASE 1974-2006/May 26
(c) 2006 Elsevier Science B.V.
File 91:MANTIS(TM) 1880-2006/Feb
2006 (c) Action Potential
File 94:JICST-EPlus 1985-2006/Feb W3
(c)2006 Japan Science and Tech Corp(JST)
File 98:General Sci Abs 1984-2005/Jan
(c) 2006 The HW Wilson Co.
File 110:WasteInfo 1974-2002/Jul
(c) 2002 AEA Techn Env.
***File 110: This file is closed (no updates)**
File 135:NewsRx Weekly Reports 1995-2006/May W3
(c) 2006 NewsRx
File 136:BioEngineering Abstracts 1966-2006/Apr
(c) 2006 CSA.
File 143:Biol. & Agric. Index 1983-2006/Apr
(c) 2006 The HW Wilson Co
File 144:Pascal 1973-2006/Apr W5
(c) 2006 INIST/CNRS
File 155:MEDLINE(R) 1951-2006/May 25
(c) format only 2006 Dialog
***File 155: Please see HELP NEWS 154**
for information about recent updates added to MEDLINE.
File 164:Allied & Complementary Medicine 1984-2006/May
(c) 2006 BLHCIS
File 172:EMBASE Alert 2006/May 26
(c) 2006 Elsevier Science B.V.
File 185:Zoological Record Online(R) 1978-2006/May
(c) 2006 BIOSIS
File 357:Derwent Biotech Res. _1982-2006/May W3
(c) 2006 Thomson Derwent & ISI
File 369:New Scientist 1994-2006/Apr W2
(c) 2006 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
(c) 1999 AAAS
***File 370: This file is closed (no updates). Use File 47 for more current information.**
File 391:Beilstein Reactions 2006/Q2
(c) 2006 Beilstein GmbH
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 467:ExtraMED(tm) 2000/Dec
(c) 2001 Informania Ltd.
***File 467: F467 will close on February 1, 2006.**

7.

Set	Items	Description
?	s	(glutamine-auxotrophic) or (glutamine-auxotrophic)or (glutamine adj (auxotrophic or auxotrophic)) or (glutamine-auxotroph) or (glutamine adj auxotroph) or (glutamine-auxotropy) or (glutamine adj auxotropy)
	0	GLUTAMINE-AUXOTROPHIC
	0	GLUTAMINE-AUXOTROPIC
	0	GLUTAMINE ADJ (AUXOTROPHIC
	0	AUXOTROPIC)
	0	GLUTAMINE-AUXOTROPH
	0	GLUTAMINE ADJ AUXOTROPH
	0	GLUTAMINE-AUXOTROPY

```

0 GLUTAMINE ADJ AUXOTROPY
S1 0 (GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC)OR
    (GLUTAMINE ADJ (AUXOTROPHIC OR AUXOTROPIC)) OR
    (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE ADJ AUXOTROPH) OR
    (GLUTAMINE-AUXOTROPY) OR (GLUTAMINE ADJ AUXOTROPY)
? s (glutamine-auxotrophic) or (glutamine-auxotropic)or (glutamine (w)
(auxotrophic or auxotropic)) or (glutamine-auxotroph) or (glutamine (w)
auxotroph) or (glutamine-auxotropy) or (glutamine (w) auxotropy)
0 GLUTAMINE-AUXOTROPHIC
0 GLUTAMINE-AUXOTROPIC
163325 GLUTAMINE
13951 AUXOTROPHIC
74 AUXOTROPIC
76 GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)
0 GLUTAMINE-AUXOTROPH
163325 GLUTAMINE
6219 AUXOTROPH
87 GLUTAMINE (W)AUXOTROPH
0 GLUTAMINE-AUXOTROPY
163325 GLUTAMINE
9 AUXOTROPY
0 GLUTAMINE (W)AUXOTROPY
S2 150 (GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC)OR
    (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR
    (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR
    (GLUTAMINE-AUXOTROPY) OR (GLUTAMINE (W) AUXOTROPY)
? s s2 same (human (w) cell)
>>>Term "SAME" in invalid position
? s ((glutamine-auxotrophic) or (glutamine-auxotropic)or (glutamine (w)
(auxotrophic or auxotropic)) or (glutamine-auxotroph) or (glutamine (w)
auxotroph) or (glutamine-auxotropy) or (glutamine (w) auxotropy)) (s) (human
(w) cell)
0 GLUTAMINE-AUXOTROPHIC
0 GLUTAMINE-AUXOTROPIC
163325 GLUTAMINE
13951 AUXOTROPHIC
74 AUXOTROPIC
76 GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)
0 GLUTAMINE-AUXOTROPH
163325 GLUTAMINE
6219 AUXOTROPH
87 GLUTAMINE (W)AUXOTROPH
0 GLUTAMINE-AUXOTROPY
163325 GLUTAMINE
9 AUXOTROPY
0 GLUTAMINE (W)AUXOTROPY
23084639 HUMAN
13931794 CELL
S3 1 ((GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC)OR
    (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR
    (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR
    (GLUTAMINE-AUXOTROPY) OR (GLUTAMINE (W) AUXOTROPY)) (S)
    (HUMAN (W) CELL)
? s ((glutamine-auxotrophic) or (glutamine-auxotropic)or (glutamine (w)
(auxotrophic or auxotropic)) or (glutamine-auxotroph) or (glutamine (w)
auxotroph) or (glutamine-auxotropy) or (glutamine (w) auxotropy)) (s) ((human
or primate or mammalian or eukaryotic)(w) cell)
0 GLUTAMINE-AUXOTROPHIC
0 GLUTAMINE-AUXOTROPIC
163325 GLUTAMINE
13951 AUXOTROPHIC

```

74 AUXOTROPIC
 76 GLUTAMINE(W) (AUXOTROPHIC OR AUXOTROPIC)
 0 GLUTAMINE-AUXOTROPH
 163325 GLUTAMINE
 6219 AUXOTROPH
 87 GLUTAMINE(W)AUXOTROPH
 0 GLUTAMINE-AUXOTROPY
 163325 GLUTAMINE
 9 AUXOTROPY
 0 GLUTAMINE(W)AUXOTROPY
 23084639 HUMAN
 137373 PRIMATE
 842535 MAMMALIAN
 511217 EUKARYOTIC
 13931794 CELL
 S4 2 ((GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC)OR
 (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR
 (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR
 (GLUTAMINE-AUXOTROPY) OR (GLUTAMINE (W) AUXOTROPY)) (S)
 ((HUMAN OR PRIMATE OR MAMMALIAN OR EUKARYOTIC) (W) CELL)

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S5 2 RD (unique items)
 ? t s5/medium,k/all

5/K/1 (Item 1 from file: 357)

DIALOG(R)File 357:Derwent Biotech Res.

(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0370220 DBR Accession No.: 2005-15926 PATENT

**New transfected glutamine-auxotrophic human cells capable of growing in a
 glutamine-free medium, useful for producing proteins that may be
 utilized in e.g. therapeutic or diagnostic applications - glutamine
 gene transfer and expression in human cell for recombinant protein
 production and disease therapy and diagnosis**

AUTHOR: BIRCH J R; BORASTON R C; SHAW M

PATENT ASSIGNEE: BIRCH J R; BORASTON R C; SHAW M 2005

PATENT NUMBER: US 20050084928 PATENT DATE: 20050421 WPI ACCESSION NO.:
 2005-321971 (200533)

PRIORITY APPLIC. NO.: EP 200227189 APPLIC. DATE: 20021205

NATIONAL APPLIC. NO.: US 501777 APPLIC. DATE: 20040719

LANGUAGE: English

ABSTRACT: DERWENT ABSTRACT: NOVELTY - A **glutamine - auxotrophic human
 cell** transfected with an exogenous DNA sequence encoding a protein or
 an exogenous DNA sequence capable...

... CLAIM is also included for the process of producing a protein,
 comprising culturing the above **glutamine - auxotrophic human cell**
 in a culture medium under conditions for the expression of the protein,
 and recovering the protein. BIOTECHNOLOGY - Preferred Cell: The
glutamine - auxotrophic human cell is an immortalized **glutamine
 - auxotrophic human cell**, particularly a human fibrosarcoma cell.
 The human fibrosarcoma cell is HT1080 cell line. The transfected...

... g. therapeutic or diagnostic applications. The glutamine synthetase is
 used as a selectable marker in **glutamine - auxotrophic human cells**

(claimed). (19 pages)

5/K/2 (Item 2 from file: 357)

DIALOG(R) File 357: Derwent Biotech Res.

(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0121453 DBR Accession No.: 91-09095 PATENT

**Recombinant DNA method - gene amplification method by glutamine-synthetase
gene cloning and expression in myeloma or hybridoma glutamine auxotroph
cell culture from a weak SV40 virus promoter**

PATENT ASSIGNEE: Celltech 1991

PATENT NUMBER: WO 9106657 PATENT DATE: 910516 WPI ACCESSION NO.:

91-164206 (9122)

PRIORITY APPLIC. NO.: GB 8924021 APPLIC. DATE: 891025

NATIONAL APPLIC. NO.: WO 90GB1640 APPLIC. DATE: 901025

LANGUAGE: English

...ABSTRACT: GS, EC-6.3.1.2) gene in its DNA comprises transforming a
eukaryotic glutamine **auxotroph** with a GS gene and selecting
transformant cells in a culture medium lacking glutamine or...

? s s2 and (glutamine (w) synthetase)

150 S2

163325 GLUTAMINE

199913 SYNTHETASE

34554 GLUTAMINE(W) SYNTHETASE

S6 139 S2 AND (GLUTAMINE (W) SYNTHETASE)

? s s6 and ((glutamine-free or (glutamine (w) free)) with (media or medium))

>>>Invalid syntax

? s s6 and ((glutamine-free or (glutamine (w) free)) (3n) (media or medium))

139 S6

16 GLUTAMINE-FREE

163325 GLUTAMINE

3213345 FREE

579 GLUTAMINE(W) FREE

1200281 MEDIA

2027950 MEDIUM

320 (GLUTAMINE-FREE OR GLUTAMINE(W) FREE) (3N) (MEDIA OR MEDIUM)

S7 2 S6 AND ((GLUTAMINE-FREE OR (GLUTAMINE (W) FREE)) (3N)
(MEDIA OR MEDIUM))

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S8 2 RD (unique items)

? t s7/free/all

7/8/1 (Item 1 from file: 357)

0370220 DBR Accession No.: 2005-15926

**New transfected glutamine - auxotrophic human cells capable of growing in
a glutamine - free medium , useful for producing proteins that may
be utilized in e.g. therapeutic or diagnostic applications - glutamine
gene transfer and expression in human cell for recombinant protein
production and disease therapy and diagnosis 2005**

7/8/2 (Item 2 from file: 357)

0122038 DBR Accession No.: 91-09680

Heterologous gene amplification in eukaryote host cell culture - glutamine

auxotroph cell culture in glutamine - free medium ; heterologous
gene dosage 1991
? t s7/medium,k/2

7/K/2 (Item 2 from file: 357)
DIALOG(R) File 357: Derwent Biotech Res.
(c) 2006 Thomson Derwent & ISI. All rts. reserv.

0122038 DBR Accession No.: 91-09680 PATENT
**Heterologous gene amplification in eukaryote host cell culture - glutamine
auxotroph cell culture in glutamine - free medium ; heterologous
gene dosage**
PATENT ASSIGNEE: Celltech 1991
PATENT NUMBER: GB 2237288 PATENT DATE: 910501 WPI ACCESSION NO.:
91-127068 (9118)
PRIORITY APPLIC. NO.: GB 8923522 APPLIC. DATE: 891018
NATIONAL APPLIC. NO.: GB 8923522 APPLIC. DATE: 891018
LANGUAGE: English

- glutamine auxotroph cell culture in glutamine - free medium ;
heterologous gene dosage
ABSTRACT: A method for increasing the copy number of a heterologous gene in
a **glutamine auxotrophic** eukaryotic host cell line is claimed, which
comprises: (a) transforming the host cell with a vector encoding
glutamine - synthetase (GS, EC-6.3.1.2) and the heterologous gene, or
with 2 vectors, 1...

... GS gene and the other containing the heterologous gene; (b) selecting
glutamine-prototrophic transformants in **glutamine - free medium**
which contains one or more metabolites required for growth; and (c)
culturing the transformed host cells in **glutamine - free medium** in
which at least one of the metabolites (preferably asparagine) is
depleted. A method for...

DESCRIPTORS: **glutamine - synthetase** gene cloning, expression in
glutamine auxotroph eukaryote cell culture, appl. heterologous gene
expression, increased gene dosage recombinant enzyme EC-6.3...
? s ((glutamine-auxotrophic) or (glutamine-auxotrophic) or (glutamine (w)
(auxotrophic or auxotrophic)) or (glutamine-auxotroph) or (glutamine (w)
auxotroph) or (glutamine-auxotropy) or (glutamine (w) auxotropy)) ((w)(cell or
fibrosarcoma or HT1080 or HL60 or lymphoblastoid)
>>>Invalid syntax
? s ((glutamine-auxotrophic) or (glutamine-auxotrophic) or (glutamine (w)
(auxotrophic or auxotrophic)) or (glutamine-auxotroph) or (glutamine (w)
auxotroph) or (glutamine-auxotropy) or (glutamine (w) auxotropy)) (w)(cell or
fibrosarcoma or HT1080 or HL60 or lymphoblastoid)

0 GLUTAMINE-AUXOTROPHIC
0 GLUTAMINE-AUXOTROPIC
163325 GLUTAMINE
13951 AUXOTROPHIC
74 AUXOTROPIC
76 GLUTAMINE(W) (AUXOTROPHIC OR AUXOTROPIC)
0 GLUTAMINE-AUXOTROPH
163325 GLUTAMINE
6219 AUXOTROPH
87 GLUTAMINE(W) AUXOTROPH
0 GLUTAMINE-AUXOTROPY
163325 GLUTAMINE
9 AUXOTROPY
0 GLUTAMINE(W) AUXOTROPY
13931794 CELL

```

43375 FIBROSARCOMA
5010 HT1080
18452 HL60
46338 LYMPHOBLASTOID
S9      2  ((GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC)OR
            (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR
            (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR
            (GLUTAMINE-AUXOTROPY) OR (GLUTAMINE (W) AUXOTROPY))
            (W) (CELL OR FIBROSARCOMA OR HT1080 OR HL60 OR
            LYMPHOBLASTOID)

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
S10      2  RD (unique items)
? t s10/free/1-2

10/8/1      (Item 1 from file: 357)
0122038 DBR Accession No.: 91-09680
Heterologous gene amplification in eukaryote host cell culture - glutamine
auxotroph cell culture in glutamine-free medium; heterologous gene
dosage 1991

10/8/2      (Item 2 from file: 357)
0121453 DBR Accession No.: 91-09095
Recombinant DNA method - gene amplification method by glutamine-synthetase
gene cloning and expression in myeloma or hybridoma glutamine auxotroph
cell culture from a weak SV40 virus promoter 1991
? s ((glutamine-auxotrophic) or (glutamine-auxotropic)or (glutamine (w)
(auxotrophic or auxotropic)) or (glutamine-auxotroph) or (glutamine (w)
auxotroph) or (glutamine-auxotropy) or (glutamine (w) auxotropy)or (glutamine
(w) independent)) (w) (cell or fibrosarcoma or HT1080 or HL60 or
lymphoblastoid)
0 GLUTAMINE-AUXOTROPHIC
0 GLUTAMINE-AUXOTROPIC
163325 GLUTAMINE
13951 AUXOTROPHIC
74 AUXOTROPIC
76 GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)
0 GLUTAMINE-AUXOTROPH
163325 GLUTAMINE
6219 AUXOTROPH
87 GLUTAMINE (W) AUXOTROPH
0 GLUTAMINE-AUXOTROPY
163325 GLUTAMINE
9 AUXOTROPY
0 GLUTAMINE (W) AUXOTROPY
163325 GLUTAMINE
1992647 INDEPENDENT
74 GLUTAMINE (W) INDEPENDENT
13931794 CELL
43375 FIBROSARCOMA
5010 HT1080
18452 HL60
46338 LYMPHOBLASTOID
S11      2  ((GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC)OR
            (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR
            (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR
            (GLUTAMINE-AUXOTROPY) OR (GLUTAMINE (W) AUXOTROPY)OR

```



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                (GLUTAMINE (W) INDEPENDENT)) (W) (CELL OR FIBROSARCOMA OR
                HT1080 OR HL60 OR LYMPHOBLASTOID)
? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
    S12      2  RD  (unique items)
? s  (glutamine (w) synthetase) with ((selectable (w) marker) or marker)
>>>Invalid syntax
? s  (glutamine (w) synthetase) (s)((selectable (w) marker) or marker)
    163325  GLUTAMINE
    199913  SYNTHETASE
    30926   SELECTABLE
    964860  MARKER
    20015   SELECTABLE(W)MARKER
    964860  MARKER
    S13     1035  (GLUTAMINE (W) SYNTHETASE) (S)((SELECTABLE (W) MARKER) OR
                MARKER)
? s s13 and ((glutamine-free or (glutamine (w) free)) (3n) (media or medium))
    1035     S13
    16       GLUTAMINE-FREE
    163325   GLUTAMINE
    3213345  FREE
    579      GLUTAMINE(W)FREE
    1200281  MEDIA
    2027950  MEDIUM
    320      (GLUTAMINE-FREE OR GLUTAMINE(W)FREE) (3N) (MEDIA OR MEDIUM)
    S14     16   S13 AND ((GLUTAMINE-FREE OR (GLUTAMINE (W) FREE)) (3N)
                (MEDIA OR MEDIUM))
? rd

```

```

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.
    S15      7  RD  (unique items)
? s s15 and ((human(w) cell) or fibrosarcoma or HT1080 or HL60 or lymphoblast)
Processing
Processed 10 of 29 files ...
Processing
Completed processing all files
    7       S15
    23084639 HUMAN
    13931794 CELL
    809153   HUMAN(W)CELL
    43375    FIBROSARCOMA
    5010     HT1080
    18452    HL60
    15174    LYMPHOBLAST
    S16     1    S15 AND ((HUMAN(W) CELL) OR FIBROSARCOMA OR HT1080 OR
                HL60 OR LYMPHOBLAST)
? t s16/free

```

```

16/8/1      (Item 1 from file: 357)
0370220    DBR Accession No.: 2005-15926
New transfected glutamine-auxotrophic human cells capable of growing in a
glutamine - free medium , useful for producing proteins that may be
utilized in e.g. therapeutic or diagnostic applications - glutamine
gene transfer and expression in human cell for recombinant protein
production and disease therapy and diagnosis 2005
? s  (glutamine (w) synthetase)

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163325  GLUTAMINE
199913  SYNTHETASE
S17 34554 (GLUTAMINE (W) SYNTHETASE)
? s s17 and ((glutamine-free or (glutamine (w) free)) )
34554  S17
16  GLUTAMINE-FREE
163325  GLUTAMINE
3213345  FREE
579  GLUTAMINE(W)FREE
S18 127 S17 AND ((GLUTAMINE-FREE OR (GLUTAMINE (W) FREE)) )
? s s17 and ((glutamine-free or (glutamine (w) free)) (3n) (media or medium))
34554  S17
16  GLUTAMINE-FREE
163325  GLUTAMINE
3213345  FREE
579  GLUTAMINE(W)FREE
1200281  MEDIA
2027950  MEDIUM
320  (GLUTAMINE-FREE OR GLUTAMINE(W)FREE) (3N) (MEDIA OR MEDIUM)
S19 115 S17 AND ((GLUTAMINE-FREE OR (GLUTAMINE (W) FREE)) (3N)
(MEDIA OR MEDIUM))
? s s19 and ((human(w) cell) or fibrosarcoma or HT1080 or HL60 or lymphoblast)
Processing
Processed 10 of 29 files ...
Processing
Completed processing all files
115  S19
23084639  HUMAN
13931794  CELL
809153  HUMAN(W)CELL
43375  FIBROSARCOMA
5010  HT1080
18452  HL60
15174  LYMPHOBLAST
S20 4 S19 AND ((HUMAN(W) CELL) OR FIBROSARCOMA OR HT1080 OR
HL60 OR LYMPHOBLAST)

```

? rd

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

```

S21 4 RD (unique items)
? t s21/free/1-4

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```

21/8/1      (Item 1 from file: 73)
11430325    EMBASE No: 2002001836
Effects of glutamine deprivation on protein synthesis in a model of human
enterocytes in culture
2001

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21/8/2      (Item 2 from file: 73)
04241604    EMBASE No: 1990124147
Metabolic basis for differential glutamine requirements of human leukemia
cell lines
1990

```

```

21/8/3      (Item 3 from file: 73)
03923809    EMBASE No: 1989092802
Biochemical characterization of U937 cells resistant to L-asparaginase:

```

The role of asparagine synthetase
1989

21/8/4 (Item 1 from file: 357)
0370220 DBR Accession No.: 2005-15926
New transfected glutamine-auxotrophic human cells capable of growing in a
glutamine - free medium , useful for producing proteins that may be
utilized in e.g. therapeutic or diagnostic applications - glutamine
gene transfer and expression in human cell for recombinant protein
production and disease therapy and diagnosis 2005
? s (cotransfection or co-transfection) and (glutamine (w) synthetase) and
(glutamine-free or (glutamine (w) free))
22233 COTRANSFECTION
336 CO-TRANSFECTION
163325 GLUTAMINE
199913 SYNTHETASE
34554 GLUTAMINE(W)SYNTHETASE
16 GLUTAMINE-FREE
163325 GLUTAMINE
3213345 FREE
579 GLUTAMINE(W)FREE
S22 0 (COTRANSFECTION OR CO-TRANSFECTION) AND (GLUTAMINE (W)
SYNTHETASE) AND (GLUTAMINE-FREE OR (GLUTAMINE (W) FREE))
? s (transfection) and (glutamine (w) synthetase) and (glutamine-free or
(glutamine (w) free))
329528 TRANSFECTION
163325 GLUTAMINE
199913 SYNTHETASE
34554 GLUTAMINE(W)SYNTHETASE
16 GLUTAMINE-FREE
163325 GLUTAMINE
3213345 FREE
579 GLUTAMINE(W)FREE
S23 23 (TRANSFECTION) AND (GLUTAMINE (W) SYNTHETASE) AND
(GLUTAMINE-FREE OR (GLUTAMINE (W) FREE))
? s s23 and ((human(w) cell) or fibrosarcoma or HT1080 or HL60 or lymphoblast)
Processing
Processed 10 of 29 files ...
Processing
Completed processing all files
23 S23
23084639 HUMAN
13931794 CELL
809153 HUMAN(W)CELL
43375 FIBROSARCOMA
5010 HT1080
18452 HL60
15174 LYMPHOBLAST
S24 0 S23 AND ((HUMAN(W) CELL) OR FIBROSARCOMA OR HT1080 OR
HL60 OR LYMPHOBLAST)
? s s23 and (fibrosarcoma or HT1080 or HL60 or lymphoblast)
23 S23
43375 FIBROSARCOMA
5010 HT1080
18452 HL60
15174 LYMPHOBLAST
S25 0 S23 AND (FIBROSARCOMA OR HT1080 OR HL60 OR LYMPHOBLAST)
? s s23 not pd>020117
>>>One or more prefixes are unsupported
>>> or undefined in one or more files.

Processing
 Processed 10 of 29 files ...
 Completed processing all files
 23 S23
 10828432 PD>020117
 S26 23 S23 NOT PD>020117
 ? s s26 and erythropoietin
 23 S26
 103606 ERYTHROPOIETIN
 S27 0 S26 AND ERYTHROPOIETIN
 ? s s26 and (glycosylated or glycan or sialylated)
 23 S26
 104908 GLYCOSYLATED
 34824 GLYCAN
 12049 SIALYLATED
 S28 0 S26 AND (GLYCOSYLATED OR GLYCAN OR SIALYLATED)
 ? s s26 rd
 >>>Term "RD" in invalid position
 ? s s26
 S29 23 S26
 ? rd
 >>>Duplicate detection is not supported for File 391.
 >>>Records from unsupported files will be retained in the RD set.
 S30 7 RD (unique items)
 ? t s30/free/1-7

30/8/1 (Item 1 from file: 5)
 0012040768 BIOSIS NO.: 199900300428
**Effect of glutamine limitation on the death of attached Chinese hamster
 ovary cells**
 1999

30/8/2 (Item 2 from file: 5)
 0011165947 BIOSIS NO.: 199799800007
**An attempt to add biological functions by genetic engineering in order to
 produce high-performance bioreactor cells for hybrid artificial liver:
 Transfection of glutamine synthetase into Chinese hamster ovary
 (CHO) cell**
 1997

30/8/3 (Item 1 from file: 24)
 DIALOG(R)File 24:(c) 2006 CSA. All rts. reserv.

0001704957 IP ACCESSION NO: 4028255
**Large scale production of recombinant mouse and rat growth hormone by
 fed-batch GS-NS0 cell cultures**
 PUBLICATION DATE: 1996

DESCRIPTORS: fed-batch culture; cell culture; **transfection**
 IDENTIFIERS: rats; mice; growth hormone; glutamine
 SUBJ CATG: 33580, Process engineering

30/8/4 (Item 2 from file: 24)
 DIALOG(R)File 24:(c) 2006 CSA. All rts. reserv.

0001288584 IP ACCESSION NO: 3021636
High-level expression of a recombinant antibody from myeloma cells using a glutamine synthetase gene as an amplifiable selectable marker.
PUBLICATION DATE: 1992

DESCRIPTORS: myeloma; recombinants; **transfection** ; genes; gene expression; genetic markers; monoclonal antibodies; production; gene amplification; immunoglobulins
IDENTIFIERS: glutamate-ammonia ligase
SUBJ CATG: 14684, Expression of cloned genes; 33055, Genetic engineering (general); 06065, Genetics; 07240, Immunogenetics; 06711, Monoclonal antibodies, hybridomas, antigens and antisera

30/8/5 (Item 3 from file: 24)
DIALOG(R)File 24:(c) 2006 CSA. All rts. reserv.

0000896116 IP ACCESSION NO: 2214057
Glutamine synthetase **amplification of TIMP expression in CHO cells.**
PUBLICATION DATE: 1989

DESCRIPTORS: gene amplification; **transfection** ; cloning; metalloproteinase inhibitor; glutamate-ammonia ligase
IDENTIFIERS: CHO cells; production; cDNA; gene expression; recombinant; metalloproteinase inhibitor; glutamate-ammonia ligase
SUBJ CATG: 14684, Expression of cloned genes; 07120, Recombinant DNA/Genetic engineering; 30134, Microorganisms; 30404, Other peptides and proteins

30/8/6 (Item 1 from file: 34)
DIALOG(R)File 34:(c) 2006 Inst for Sci Info. All rts. reserv.

03877912 Genuine Article#: QN203 Number of References: 39
Title: GENETIC-ENGINEERING OF HYBRIDOMA GLUTAMINE-METABOLISM (Abstract Available)
Journal Subject Category: BIOTECHNOLOGY & APPLIED MICROBIOLOGY
Descriptors--Author Keywords: GENETIC ENGINEERING ; **GLUTAMINE SYNTHETASE** ; HYBRIDOMA PHYSIOLOGY ; AMMONIA DETOXIFICATION
Identifiers--KeyWords Plus: SYNTHETASE GENE; CELLS; EXPRESSION; MOUSE; AMPLIFICATION; **TRANSFECTION**; LYMPHOCYTES; ADAPTATION; ANTIBODY; CULTURE
Research Fronts: 93-4847 001 (HETEROLOGOUS EXPRESSION; CHROMOSOMAL DNA; GENE ENCODING METHYLMALONYL-COENZYME-A MUTASE)

30/8/7 (Item 1 from file: 357)
0132794 DBR Accession No.: 92-05286
Genetic engineering of cellular physiology - mouse hybridoma cell culture transfection with glutamine - synthetase gene; application to growth on glutamine - free culture medium (conference paper) 1991
? ds

Set	Items	Description
S1	0	(GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC)OR (GLUTAMINE ADJ (AUXOTROPHIC OR AUXOTROPIC)) OR (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE ADJ AUXOTROPH) OR (GLUTAMINE-AUXOTROPY) OR (GLUTAMINE ADJ AUXOTROPY)
S2	150	(GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC)OR (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR (GLUTAMINE-AUXOTROPH)

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        OR (GLUTAMINE (W) AUXOTROPH) OR (GLUTAMINE-AUXOTROPY) OR (GLUTAMINE (W) AUXOTROPY)
S3      1 ((GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC) OR (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR (GLUTAMINE-AUXOTROPY) OR (-GLUTAMINE (W) AUXOTROPY)) (S) (HUMAN (W) CELL)
S4      2 ((GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC) OR (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR (GLUTAMINE-AUXOTROPY) OR (-GLUTAMINE (W) AUXOTROPY)) (S) ((HUMAN OR PRIMATE OR MAMMALIAN OR EUKARYOTIC
S5      2 RD (unique items)
S6      139 S2 AND (GLUTAMINE (W) SYNTHETASE)
S7      2 S6 AND ((GLUTAMINE-FREE OR (GLUTAMINE (W) FREE)) (3N) (MEDIA OR MEDIUM))
S8      2 RD (unique items)
S9      2 ((GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC) OR (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR (GLUTAMINE-AUXOTROPY) OR (-GLUTAMINE (W) AUXOTROPY)) (W) (CELL OR FIBROSARCOMA OR HT1080 OR HL60 OR LYM
S10     2 RD (unique items)
S11     2 ((GLUTAMINE-AUXOTROPHIC) OR (GLUTAMINE-AUXOTROPIC) OR (GLUTAMINE (W) (AUXOTROPHIC OR AUXOTROPIC)) OR (GLUTAMINE-AUXOTROPH) OR (GLUTAMINE (W) AUXOTROPH) OR (GLUTAMINE-AUXOTROPY) OR (-GLUTAMINE (W) AUXOTROPY) OR (GLUTAMINE (W) INDEPENDENT)) (W) (CELL OR FIBROSA
S12     2 RD (unique items)
S13     1035 (GLUTAMINE (W) SYNTHETASE) (S) ((SELECTABLE (W) MARKER) OR -MARKER)
S14     16 S13 AND ((GLUTAMINE-FREE OR (GLUTAMINE (W) FREE)) (3N) (MEDIA OR MEDIUM))
S15     7 RD (unique items)
S16     1 S15 AND ((HUMAN(W) CELL) OR FIBROSARCOMA OR HT1080 OR HL60 OR LYMPHOBLAST)
S17     34554 (GLUTAMINE (W) SYNTHETASE)
S18     127 S17 AND ((GLUTAMINE-FREE OR (GLUTAMINE (W) FREE)) )
S19     115 S17 AND ((GLUTAMINE-FREE OR (GLUTAMINE (W) FREE)) (3N) (MEDIA OR MEDIUM))
S20     4 S19 AND ((HUMAN(W) CELL) OR FIBROSARCOMA OR HT1080 OR HL60 OR LYMPHOBLAST)
S21     4 RD (unique items)
S22     0 (COTRANSFECTION OR CO-TRANSFECTION) AND (GLUTAMINE (W) SYNTHETASE) AND (GLUTAMINE-FREE OR (GLUTAMINE (W) FREE))
S23     23 (TRANSFECTION) AND (GLUTAMINE (W) SYNTHETASE) AND (GLUTAMINE-FREE OR (GLUTAMINE (W) FREE))
S24     0 S23 AND ((HUMAN(W) CELL) OR FIBROSARCOMA OR HT1080 OR HL60 OR LYMPHOBLAST)
S25     0 S23 AND (FIBROSARCOMA OR HT1080 OR HL60 OR LYMPHOBLAST)
S26     23 S23 NOT PD>020117
S27     0 S26 AND ERYTHROPOIETIN
S28     0 S26 AND (GLYCOSYLATED OR GLYCAN OR SIALYLATED)
S29     23 S26
S30     7 RD (unique items)

```

? save temp

Temp SearchSave "TA250092513" stored

? logoff

26may06 10:11:40 User276741 Session D145.2

\$28.06 4.756 DialUnits File5

\$0.00 2 Type(s) in Format 6

\$0.00 2 Types

\$28.06 Estimated cost File5
 \$4.98 0.803 DialUnits File24
 \$0.00 3 Type(s) in Format 8
 \$0.00 3 Types
 \$4.98 Estimated cost File24
 \$0.81 0.130 DialUnits File28
 \$0.81 Estimated cost File28
 \$53.22 2.268 DialUnits File34
 \$0.00 1 Type(s) in Format 8
 \$0.00 1 Types
 \$53.22 Estimated cost File34
 \$1.08 0.263 DialUnits File35
 \$1.08 Estimated cost File35
 \$0.98 0.137 DialUnits File40
 \$0.98 Estimated cost File40
 \$0.75 0.121 DialUnits File41
 \$0.75 Estimated cost File41
 \$2.81 0.612 DialUnits File50
 \$2.81 Estimated cost File50
 \$0.54 0.144 DialUnits File65
 \$0.54 Estimated cost File65
 \$9.44 1.073 DialUnits File71
 \$9.44 Estimated cost File71
 \$37.52 3.350 DialUnits File73
 \$0.00 3 Type(s) in Format 6
 \$0.00 3 Types
 \$37.52 Estimated cost File73
 \$0.53 0.124 DialUnits File91
 \$0.53 Estimated cost File91
 \$2.28 0.652 DialUnits File94
 \$2.28 Estimated cost File94
 \$0.98 0.229 DialUnits File98
 \$0.98 Estimated cost File98
 \$0.62 0.108 DialUnits File110
 \$0.62 Estimated cost File110
 \$1.15 0.214 DialUnits File135
 \$1.15 Estimated cost File135
 \$1.21 0.196 DialUnits File136
 \$1.21 Estimated cost File136
 \$0.57 0.189 DialUnits File143
 \$0.57 Estimated cost File143
 \$8.20 1.822 DialUnits File144
 \$8.20 Estimated cost File144
 \$7.22 2.124 DialUnits File155
 \$7.22 Estimated cost File155
 \$0.39 0.110 DialUnits File164
 \$0.39 Estimated cost File164
 \$1.51 0.135 DialUnits File172
 \$1.51 Estimated cost File172
 \$1.02 0.166 DialUnits File185
 \$1.02 Estimated cost File185
 \$12.64 0.567 DialUnits File357
 \$7.80 3 Type(s) in Format 3
 \$0.00 7 Type(s) in Format 6
 \$7.80 10 Types
 \$20.44 Estimated cost File357
 \$0.40 0.115 DialUnits File369
 \$0.40 Estimated cost File369
 \$0.43 0.124 DialUnits File370
 \$0.43 Estimated cost File370
 \$0.00 0.169 DialUnits File391

\$0.00 Estimated cost File391
\$9.24 0.394 DialUnits File434
\$9.24 Estimated cost File434
\$0.55 0.085 DialUnits File467
\$0.55 Estimated cost File467
OneSearch, 29 files, 21.180 DialUnits FileOS
\$7.20 TELNET
\$204.13 Estimated cost this search
\$204.15 Estimated total session cost 21.398 DialUnits

Logoff: level 05.11.05 D 10:11:40

You are now logged off